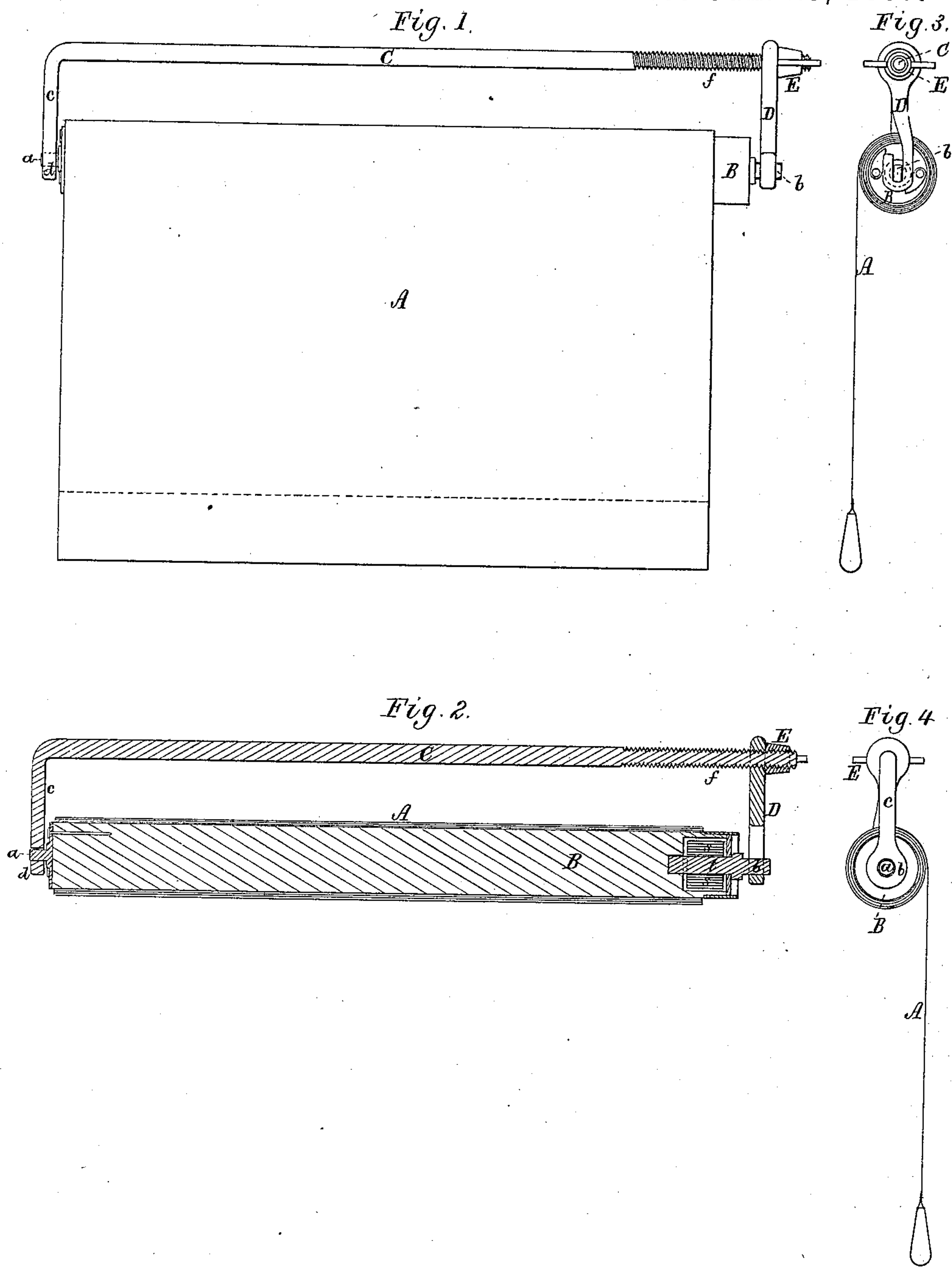


(No Model.)

J. F. HICKEY.  
WINDOW SHADE FIXTURE.

No. 356,535.

Patented Jan. 25, 1887.



Witnesses.

S. N. Piper.

W. B. Torrey

Inventor.

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by R. M. S. day atty.

# UNITED STATES PATENT OFFICE.

JOSEPH FRANCIS HICKEY, OF MILFORD, MASSACHUSETTS.

## WINDOW-SHADE FIXTURE.

SPECIFICATION forming part of Letters Patent No. 356,535, dated January 25, 1887.

Application filed July 26, 1886. Serial No. 209,080. (No model.)

*To all whom it may concern:*

Be it known that I, JOSEPH FRANCIS HICKEY, of Milford, in the county of Worcester, of the Commonwealth of Massachusetts, have invented a new and useful Improvement in Window-Shade Fixtures; and I do hereby declare the same to be described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is a front elevation, Fig. 2 a longitudinal section, and Figs. 3 and 4 end views, of a window-shade and its roller provided with my invention, the nature of which is defined in the claim hereinafter presented.

Considerable exactness has heretofore been required in properly adjusting a "spring shade-roller" to have it in its best working condition, as the upper part of a window-casing is usually an inconvenient place for work to be carried on. Brackets as generally in use are objectionable in consequence of the difficulty experienced in placing them at the proper points to receive the roller so that it will work freely and securely.

The said adjustable shade-roller holder or hanger supplies the means of putting the shade and roller into working condition before the latter is hung against the window. It enables the work to be done easily and correctly, and requires less time than any other means such as usually heretofore employed and known to me.

The adjustable slide-roller holder containing my improvement, and hereinafter described, for supporting the shade-roller and its shade in working condition has advantages over brackets, in the use of which the points of support can only be at the extreme ends of the roller. Brackets, in this respect, often occasion great inconvenience in their application where the window-casing is of a width less than the length of the shade-roller. My roller holder or hanger obviates this difficulty by having its support or supports from the window-casing at points above the roller, one of whose supports is adjustable relatively to the other. The method of adjusting the holder to a roller guarantees not only exactness in its position, but correctness in its operation, all of which I shall now proceed to describe.

In the drawings, A denotes a window-shade,

and B the roller to which it is attached and about which it is wound by means of a spring or springs, s, and mechanism as usually employed within or belonging to this class of automatic window-shade rollers. One journal, a, of such roller is cylindrical, and the other, b, is generally prismatic, or essentially so, and extends from the shaft or spindle t of the spring or springs s, for revolving the roller for winding the shade thereon.

In carrying out my invention I have extending over and parallel with the roller a rod, C, which near one end of it is bent downward at a right angle, as shown at c, and provided with a bearing, d, to receive the revoluble journal a of the roller. At its other end, and for some distance back therefrom, the rod is screw-threaded, as shown at f, and has screwed upon it a hook, D, in which the prismatic journal b of the roller rests, such hook being shaped so as to receive the said journal and prevent it from revolving. There is also screwed upon the screw of the rod a thumb-nut, E, which serves when screwed up against the hook to prevent such hook from moving on the rod.

From the above it will be seen that the hook is adjustable on the rod lengthwise of the latter, and when once having been properly adjusted can be sustained in place by the thumb-nut.

The rod having the downward extension and the pivotal bearing therein at one end, and the screw at its other end, and the hook and thumb-nut screwed upon such screw, constitute what I term the "shade-roller holder or hanger," which not only will answer for supporting a window-shade roller of the kind hereinbefore mentioned and represented, but one in which both journals are to revolve with the roller.

The holder is to be sustained within the window frame or casing by means of two hooks screwed into the upper part thereof and extending downward therefrom, they hooking upon the rod of the holder, from which it will be seen that the detachment of the holder from the window-frame or from the roller, or its application thereto, becomes an easy matter, as circumstances may require.

I do not claim the combination of a window-shade roller with a holder or hanger made as represented and claimed in either of the United



States Patents Nos. 268,265, or 306,233, as my holder or hanger is different in construction, it being in no respect composed of a tube, the main part of it being simply a rod or single  
5 piece of wire.

I claim—

The window-shade holder or hanger essentially as explained, consisting of the rod having near one end the downward extension and  
10 the pivotal bearing therein, and at and near

the other end the screw end of the hook and thumb-nut screwed upon such screw, as represented, all being for application to a window-shade roller and to hooks depending from a window-casing, as specified.

JOSEPH FRANCIS HICKEY.

Witnesses:

GEORGE G. COOK,  
JESSE A. TAFT.

Correction in Letters Patent No. 356,535.

It is hereby certified that in Letters Patent No. 356,535, granted January 25, 1887, upon the application of Joseph Francis Hickey, of Milford, Massachusetts, for an improvement in "Window-Shade Fixtures," an error appears in the printed specification requiring correction, as follows: In line 11, page 2, the word "end" after the word "screw" should read *and*; and that the Letters Patent should be read with this correction therein that the same may conform to the record of the case in the Patent Office.

Signed, countersigned, and sealed this 15th day of February, A. D. 1887.

[SEAL.]

D. L. HAWKINS,  
*Acting Secretary of the Interior.*

Countersigned:

R. B. VANCE,  
*Acting Commissioner of Patents.*